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(54) **METHOD AND EQUIPMENT FOR DIGITAL RADIO COMMUNICATION**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a digital radio communication method and a digital radio communication equipment that can have an essential data transfer rate improved.

SOLUTION: A layer 1 control part 11 counts the number of bit errors of received data and informs a BER measurement part 122 of the number of bit errors. The BER measurement part 122 calculates bit error rate from the number of bit errors and outputs the bit error rate to a dynamic fragmentation processing part 123. The dynamic fragmentation processing part 123 dynamically changes a data link layer frame maximum length in accordance with the bit error rate. Then, user data are split into each data link layer frame of the length below a frame maximum length and outputted to the layer 1 control part 11.

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